

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NIH209.001C1	APPLICATION NO. 10/677,980
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mayer et al.	
MAY 27 2004 (USE SEVERAL SHEETS IF NECESSARY)		FILING DATE October 2, 2003	GROUP 1614 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
BS	1. US 5,849,306	12/15/1998	Sim et al.	17	7	
	2. US 5,993,827	11/30/1999	Sim et al.			
	3. US 6,392,026	5/21/2002	Sim et al.		✓	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
				YES	NO	TRANSLATION	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	4. Adams, J.H. et al. 1990 "The duffy receptor family of <i>Plasmodium knowlesi</i> is located within the micronemes of invasive malaria merozoites," <i>Cell</i> 63:142-153.	
	5. Adams, J.H. et al. 1992 "A family of erythrocyte binding proteins of malaria parasites," <i>PNAS USA</i> 89:7085-7089.	
	6. Adams, J.H. et al. 2001 "An expanding <i>ebl</i> family of <i>Plasmodium falciparum</i> " <i>Trends Parasitol</i> 17:297-9.	
	7. Aikawa, M. et al. 1978 "Erythrocyte entry by malarial parasites," <i>J Cell Biol</i> 77:72-82.	
	8. Anstee, D.J. et al. 1984 "Two individuals with elliptocytic red cells apparently lack three minor erythrocyte membrane sialoglycoproteins," <i>Biochem J</i> 218:615-619.	
	9. Becker, S.I. et al. 1998 "Protection of mice against <i>Plasmodium yoelii</i> sporozoite challenge with <i>P. yoelii</i> merozoite surface protein 1 DNA vaccines," <i>Infect Immun</i> 66:3457-3461.	
	10. Booth, P.B. et al. 1982 "Red cell antigen, serum protein and red cell enzyme polymorphisms in Karkar islanders and inhabitants of the adjacent North Coast of New Guinea," <i>Hum Hered</i> 32:385-403.	
	11. Camus, D. et al. 1985 "A <i>Plasmodium falciparum</i> antigen that binds to host erythrocytes and merozoites," <i>Science</i> 230:553-556.	
	12. Chitnis, C.E. et al. 1994 "Identification of the erythrocyte binding domains of <i>Plasmodium vivax</i> and <i>Plasmodium knowlesi</i> proteins involved in erythrocyte invasion," <i>J Exp Med</i> 180:497-506.	
	13. Colin, Y. et al. 1995 "Gerbich blood groups and minor glycophorins" in <i>Blood Cell Biochemistry</i> , Vol. 6, eds. Cartron, J. P. & Rouger, P. (Plenum, New York), pp. 331-350.	
	14. Dolan, S.A. et al. 1990 "Evidence for a switching mechanism in the invasion of erythrocytes by <i>Plasmodium falciparum</i> ," <i>J Clin Invest</i> 86:618-624.	
	15. Dvorak, J.A. et al. 1975 "Invasion of erythrocytes by malaria merozoites," <i>Science</i> 187:748-750.	

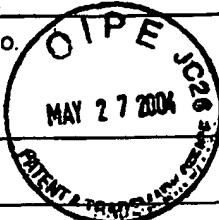
EXAMINER	<i>Padma Bhatia</i>	DATE CONSIDERED	1	16	86
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.					

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. NIH209.001C1	APPLICATION NO. 10/677,980
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		O P E JC28 MAY 27 2004 P A T E N T & T R A D E M A R K O F F I C E	
(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Mayer et al.	FILING DATE October 2, 2003
		GROUP 1644 1645	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	16. Gallinski, M.R. et al. 1992 "A reticulocyte-binding protein complex of <i>Plasmodium vivax</i> merozoites," <i>Cell</i> 69:1213-1226.
	17. Haynes, J.D. et al. 1988 "Receptor-like specificity of a <i>Plasmodium knowlesi</i> malarial protein that binds to duffy antigen ligands on erythrocytes," <i>J Exp Med</i> 167:1873-1881.
	18. Judd, W.J. 1994 "Procedure IX-D Frozen RBCs - liquid nitrogen preservation & recovery," in <i>Methods in Immunohematology</i> , ed. Judd, W. J. (Montgomery Scientific, Durham, NC), pp. 188-190.
	19. Kaneko, O. et al. 1999 " <i>Plasmodium falciparum</i> : invasion of <i>Aotus</i> monkey red blood cells and adaptation to <i>Aotus</i> monkeys," <i>Exp Parasitol</i> 93:116-119.
	20. Kaneko, O. et al. 2000 "Disruption of the C-terminal region of EBA-175 in the Dd2/Nm clone of <i>Plasmodium falciparum</i> does not affect erythrocyte invasion," <i>Mol Biochem Parasitol</i> 110:135-146.
	21. Mallory, D. 1993 "Freezing and recovering rare RBCs using glycerol" in <i>Immunohematology Methods and Procedures</i> First Edition, Mallory D. ed. (American Red Cross, National Reference Laboratory, Rockville, MD), pp. 125-1-125-2.
	22. Mayer, D.C.G. et al. 2001 "Characterization of a <i>Plasmodium falciparum</i> erythrocyte-binding protein paralogous to EBA-175" <i>PNAS USA</i> 98:5222-5227.
	23. Miller, L.H. et al. 1973 "Influence of erythrocyte membrane components on malaria merozoite invasion," <i>J Exp Med</i> 138:1597-1601.
	24. Miller, L.H. et al. 1976 "The resistance factor to <i>Plasmodium vivax</i> in blacks," <i>N Engl J Med</i> 295:302-304.
	25. Miller, L.H. et al. 1979 "Interaction between cytochalasin B-treated malarial parasites and erythrocytes," <i>J Exp Med</i> 149:172-184.
	26. Pasvol, G. et al. 1984 "Glycophorin C and the invasion of red cells by <i>Plasmodium falciparum</i> ," <i>The Lancet</i> 1:907-908.
	27. Ranjan, A. et al. 1999 "Mapping regions containing binding residues within functional domains of <i>Plasmodium vivax</i> and <i>Plasmodium knowlesi</i> erythrocyte-binding proteins," <i>PNAS USA</i> 96:14067-14072.
	28. Reid, M.E. et al. 1994 "Molecular basis of glycophorin C variants and their associated blood group antigens," <i>Transfus Med (Oxford)</i> 4:139-146.
	29. Serjeantson, S.W. 1989 "A selective advantage for the Gerbich-negative phenotypes in malarious areas of Papua, New Guinea," <i>Papua New Guinea Med J</i> 32:5-9.
	30. Serjeantson, S.W. et al. 1994 "A 3.5 kb deletion in the glycophorin C gene accounts for the Gerbich-negative blood group in Melanesians," <i>Immunol Cell Biol</i> 72:23-27.
	31. Sim, B.K.L. et al. 1990 "Primary structure of the 175K <i>Plasmodium falciparum</i> erythrocyte binding antigen and identification of a peptide which elicits antibodies that inhibit malaria merozoite invasion," <i>J Cell Biol</i> 111:1877-1884.
	32. Sim, B.K.L. et al. 1992 "Localization of the 175-kilodalton erythrocyte binding antigen in micronemes of <i>Plasmodium falciparum</i> merozoites," <i>Mol Biochem Parasitol</i> 51:157-160.

EXAMINER	<i>Padma Peter</i>	DATE CONSIDERED	<i>16/06</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 608; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NIH209.001C1	APPLICATION NO. 10/677,980
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mayer et al.	JC28 GROUP 1614 6/5
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE October 2, 2003	



EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
BB	33. Sim, B.K.L. et al. 1994 "Receptor and ligand domains for invasion of erythrocytes by <i>Plasmodium falciparum</i> ," <i>Science</i> 264:1941-1944.
BB	34. Su, X. et al. 1999 "A genetic map and recombination parameters of the human malaria parasite <i>Plasmodium falciparum</i> ," <i>Science</i> 286:1351-1353.

O:\DOCS\MXG\MXG-4975.DOC 041304

EXAMINER	<i>Becky Barker</i>	DATE CONSIDERED	<i>6/5</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Art Unit	1645
	Examiner	Baskar, Padmavathi
SHEET 1 OF 1	Attorney Docket No.	NIH209.001C1

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
<i>[Signature]</i>	2.	WO 02/11756	02/14/2002	Entremed, Inc.		

NON-PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENT			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

2043177
110205

Examiner Signature	<u>Kadra Baskar</u>	Date Considered	1/16/06
--------------------	---------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

"Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant."

T - Place a check mark in this area when an English language Translation is attached.